

## ABSTRACT

An optical wave-guide having a plastic core and cladding which has an improved sheathing with improved adhesion to the cladding. The sheathing is a polyamide, copolyamide or mixtures thereof having no more than 15  $\mu\text{eq/g}$  of carboxyl terminal groups, 50 to 300  $\mu\text{eq/g}$  of amino terminal groups and a melting point less than 220°C. The sheathing adheres and shows higher resistance to pistoning when the wave-guide is heat cycled.

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